

**REMARKS**

Claims 1 and 3-6 have been rejected under 35 U.S.C. §101. Specifically, the Examiner alleges that the claimed invention is directed to non-statutory subject matter. Claim 1 has been amended to include “such that the inside/outside of two-dimensional or three-dimensional boundary surfaces may be determined,” which specifies a practical application of the invention of claim 1. Thus, Applicants respectfully assert that amended claim 1 and claims 3-6 which depend from claim 1 are not directed to non-statutory subject matter. Support for the new claim language may be found on page 1, lines 7-10 and page 2, lines 1-4 of the specification.

Applicants respectfully thank the Examiner for indicating that “(D1) assigning all the non-boundary cells space numbers different for respective spaces partitioned by boundary data; and (D2) assigning each vertex of the boundary cell the space number of the neighboring non-boundary cell that is not partitioned by the boundary data” in combination with the remaining elements of the claimed invention is allowable subject matter. Since these steps are a part of claim 1, claims 1 and 3-6 are in condition for allowance.

## CONCLUSION

In view of the present amendment, Applicants respectfully assert that claims 1 and 3-6 are in condition for allowance and a prompt notice of allowance is earnestly solicited.

The below-signed attorney for Applicants welcomes any questions.

Respectfully submitted,

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